

Claims

1. A brake assembly, in particular for a hydraulic wheel drive, comprising a disk package (8) formed of a plurality of outer disks (9) and corresponding inner disks (7), which is able to be compressed by means of a piston assembly (10) for braking, wherein a first hydraulic cycle (11) acts on the piston assembly (10) for driving braking and a second hydraulic cycle (16) acts on the piston assembly (10) for parking braking,
characterized in that said piston assembly (10) comprises a driving brake piston (12) which is in contact with said disk package (8) and is able to be pressurized by said first hydraulic cycle (11) and also able to be pressurized by means of an adjacent parking brake piston (14) interacting with said second hydraulic cycle (16).
2. The brake assembly according to claim 1,
characterized in that said parking brake piston (14) has an annular configuration and is arranged coaxially with the driving brake piston (12) also having an annular configuration.
3. The brake assembly according to claim 2,
characterized in that said parking brake piston (14) is arranged on the outer circumference of said driving brake piston (12) and contacts an outer radial shoulder (15) of said driving brake piston (12) in the axial direction of said disk package (8) in order to transfer the braking force to the driving brake piston (12).
4. The brake assembly according to claim 3,
characterized in that said shoulder (15) also forms the effective surface of said driving

brake piston (12) able to be pressurized with the brake pressure via a radial bore (17) in the parking brake piston (14).

5. The brake assembly according to claim 1,
characterized in that said parking brake piston (14) is able to be actuated by means of at least one pressure spring (13) and resettable by means of the pressurized medium of said second hydraulic cycle.
6. The brake assembly according to claim 1,
characterized in that said driving brake piston (12) is able to be actuated by means of the pressurized medium of said first hydraulic cycle (11) and resettable by means of at least one pressure spring (18).
7. The brake assembly according to claim 1,
characterized in that said disk package (8) is arranged, on the drive input side, within a planetary gearbox.
8. The brake assembly according to claim 6,
characterized in that on the drive input side of said planetary gearbox (2) a hydraulic motor (1) is provided which forms a wheel drive together with the planetary gearbox (2).